



HD Series Mini Dome Quick Install Guide

A. Camera Initial Configuration

1. Unscrew the Dome Cover using the star-bit tool supplied and remove it.
2. Plug the CAT5 cable into the camera Ethernet port and if the network doesn't use PoE 802.3af, wire a properly rated AC 24V/DC 12V power supply into the terminal block plug and plug it into the power terminals. See polarity noted in HD Series Connections image to the right.

Note: The camera can be connected to a PC for bench installation via an Ethernet cross-cable.

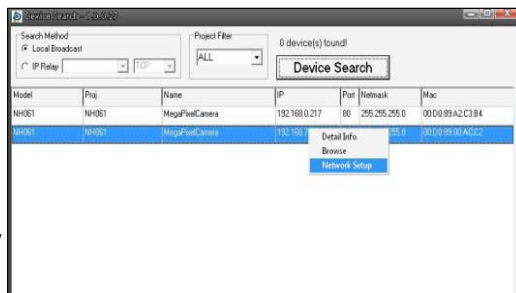
Note: The camera default IP Address is 192.168.0.250 and default subnet mask is 255.255.255.0.

Tip: A camera setup adapter, such as *Veracity Pinpoint*, can be used to connect a laptop directly to the camera when using POE.

3. To set the camera IP address do one of the following:
 - Copy and run the DeviceSearch.exe from the included CD.
 - From the Latitude Sidebar, run the Unified Configurator by selecting **Applications ► Device Configuration Tool** and then on the Unified Configurator screen, click **DVTel HD Series**.

4. In the DeviceSearch application, click **Device Search** and do the following:

- a) In the search results, click on the camera to select it.
- b) Right-click and select from the shortcut menu **Network Setup**.
- c) In the dialog that appears, select **Static IP**.
- d) Enter the **IP Address**, **Gateway** and **Netmask** (network mask) as needed and click **OK**.

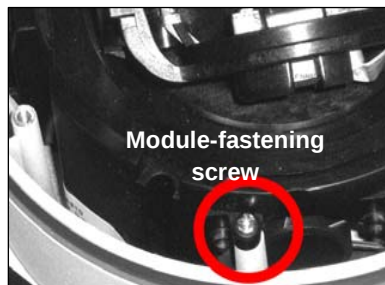


5. Disconnect the Ethernet cable and if you are using a power supply, turn off the power to the power supply and unplug it. The camera is ready for deployment in a site installation (mounting).

B. Site Installation

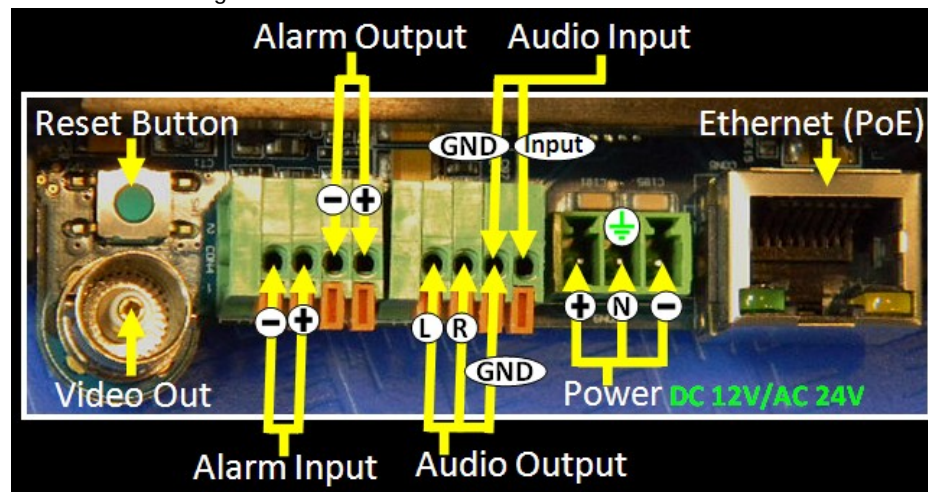
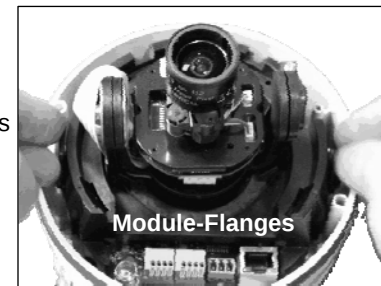
1. Remove the following:

- a) If you have not already removed the Dome Cover, unscrew and remove it using the star-bit tool supplied with the camera.
- b) Press Inner cover sides inward and remove the cover.
- c) Unscrew the module-fastening screw.



The CM-3211-00 and CM-4221-00 are indoor CM cameras and should be kept in a clean and dry indoor environment. Operating temperature should be maintained within -10°C ~ 50°C. Operating humidity 10% to 90% (non-condensing). The camera should be kept dry, free from water condensation, dust, dirt, smoke, and exposure to EMI.

2. Press in the camera module flanges to unsnap the camera module from the base plate.
3. Thread the wires through the base plate and screw it to the predrilled wall, ceiling, CM Series Mount, CM Series Mini Dome Corner Mount, or 4S electrical box.
4. Snap the camera module back on the base plate with the wiring threaded through the gap at the module base and then screw in the module-fastening screw.



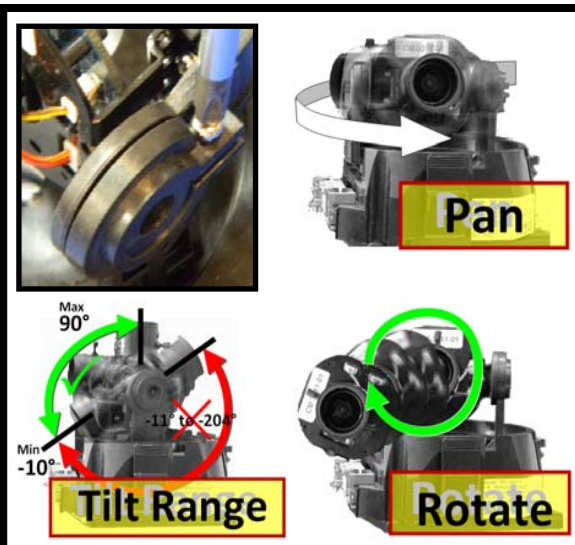
HD Series Connections

5. Plug the CAT5 cable into the camera Ethernet port and if needed plug the power terminal block plug it into the power terminals.
6. If applicable, wire the Alarm In, Alarm Out, Audio In and Audio Out terminal blocks to external devices.
7. If needed, connect the other end of the CAT5 cable to the network and turn on the power from the power supply.

Note: Do not reassemble the camera Inner Cover and Dome Cover until after hardware configurations and lens adjustments are made.

C. Adjusting and Framing Up the Camera View

1. In the DeviceSearch application, click **Device Search** and in the results click to select the camera, right-click to open the shortcut menu and select **Browse**.
-OR-
Enter the camera's IP as a URL in a web browser.
2. When the Internet browser connects to the camera and prompts for login, do the following:
 - Log in using the default user name "**Admin**" and password "**1234**".
 - Allow the ActiveX to download and choose to install the DVTel Web Player.
3. On the camera, loosen the screw on tensioning collar of the camera tilt axis.
4. On the camera, adjust the camera rotation, pan and tilt angles as required for the desired view of the scene. When finished, retighten the tilt-arm tension screw.

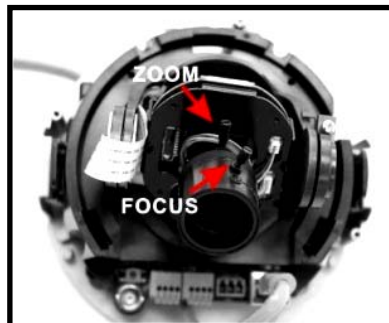


Caution: To prevent camera damage, do not over extend the tilt range beyond -10° to 90°.

Tip: To view greater image detail for more accurate high-definition focusing, on the Web Base Viewer homepage click and use the full screen view for checking adjustments.

Tip: Best focusing results can be achieved when the lens Iris is fully open (such as at night in low light). To achieve this during the day, in the Web Base Viewer go to the **Camera ▶ Exposure** screen and select from the **Exposure Setting** menu **Auto-shutter** mode. Save changes and complete the focusing step #5. When finished, restore the Exposure settings.

5. If you do not have a motorized lens, adjust the zoom ring and focus ring, for your scene.
-OR-
If you have a motorized lens, use the camera's Home Page Zoom, Focus and AF buttons to make needed adjustments.
6. Replace the camera Inner Cover and Dome Cover.



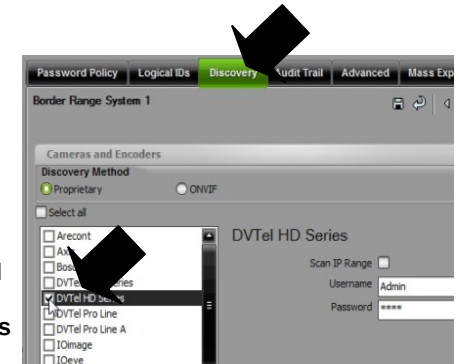
Manual Lens Adjustment

D. Attach in Latitude

Lookup the camera's firmware version in the camera's web application System ▶ Software version screen and verify it is compatible with your Latitude version. A compatible firmware list and upgrade instructions can be found in the Latitude Release Notes or obtained at www.dvtel.com.

1. In the Latitude application on the Sidebar, click **Physical View**,
2. On the Navigation Tree click the **system name** and then select the **Discovery** tab and do the following:

- Under **Cameras and Encoders** ensure **DVTel HD Series** is selected and click **Start**.
The camera details appear in the Discovery table.
(Does not search trans-VLAN.)
- If the camera wasn't found after running **Start**, click **Discover Unit Manually** and in the dialog that appears, enter the Camera IP, select type **DVTel HD Series** and click **OK**.



3. In the Discovery table, right click on the camera and choose **Attach** and then click the **Archiver name** to attach to.

Networks				
Automatically create unit capability scenes				
Discovery				
Discover Unit Manually				
Name	Archiver	IP address	MAC address	Model
10.50.2.115 (CP-2101-...		10.50.2.115	00-1B-D8-00-80-44	CP-2101-301P
10.50.2.117 (CP1100)		10.50.2.117	00-01-1B-01-02-23	CP-2101-180N
10.50.2.31 (Sony Net...		10.50.2.31	00-1D-BA-EE-BB-22	SNCDM110
10.50.2.41 (10.40.2.1...		10.50...		
10.50.2.5 (Default)		10.50...		
10.50.2.51 (IP Camera...		10.50.2.51	00-...	
10.50.2.6 (Default)		10.50.2.6	00-...	
Arecont 10.50.2.70		10.50.2.70	00-...	

4. When finished, click .